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AMSAT NEWS SERVICE
ANS-307

The AMSAT News Service bulletins are a free, weekly news and information service of AMSAT North America, The Radio Amateur Satellite Corporation. ANS publishes news related to Amateur Radio in Space including reports on the activities of a worldwide group of Amateur Radio operators who share an active interest in designing, building, launching and communicating through analog and digital Amateur Radio satellites.

The news feed on http://www.amsat.org publishes news of Amateur Radio in Space as soon as our volunteers can post it.

Please send any amateur satellite news or reports to:
ans-editor at amsat.org.

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SB SAT @ AMSAT $ANS-307.01
ANS-307 AMSAT News Service Weekly Bulletins

AMSAT News Service Bulletin 307.01
From AMSAT HQ SILVER SPRING, MD.
November 3, 2013
To All RADIO AMATEURS
BID: $ANS-307.01

31st Annual AMSAT Space Symposium and Annual Meeting Nov. 1-3, 2013

The 31st Annual AMSAT Space Symposium and Annual Meeting occurred this weekend, Nov. 1-3 2013 at the Houston Marriott South at Hobby Airport. Further
details about the Symposium may be found on AMSAT website (www.amsat.org), and
ANSAT's Facebook page. The special tour of Johnson Space Center scheduled for
Monday, 4 NOV is booked and reservations are closed.

Attendees from all over ther the world were present, making this year's Symposium a truely international event. Global representation from South Africa, Ireland, Brazil, Britian, Cuba, Canada, United States, and the Republic of Tejas. There were also approximately 18 memebers who joined in over Echolink for the Annual Meeting.

The 30th anniversary of amateur radio involvement in human space flight and the evolution of amateur radio into a successful program on board the International Space Station, in which ARISS (Amateur Radio on the ISS) is an international program that supports educational outreach as well as provides an opportunity for informal contacts between astronauts/cosmonauts and amateur radio operators around the world panel presentation was hosted by AMSAT's Frank Bauer, KA3HDO and included indepth discussions with retired NASA Astronaut's Owen Garriott, W5LFL, & William "Bill" McArthur, KC5ACR, AMSAT's own Bill Tynan, W3XO, & Lou McFadin, W5DID, and one of the intial ARISS telebridge operators from Santa Rosa, W6SRJ, Tim Bosma, W6MU.

Astronaut Owen Garriott, W5LFL on STS-9 in November 1983 was the first astronaut to utilize amateur radio to communicate with personnel on the ground, allowing the general public to speak with US astronauts from space, outside the communication channels of NASA's Mission Control. This developed into 25 SAREX contacts from the Space Shuttle and finally into the ARISS program known today.

A great history was shared from the first amauter radio contact from space to current operations from ARISS platforms and how we got from there to now.

[ANS thanks E.Mike McCardel, KC8YLD, and Joe Spier, K6WAO for the above information]

AMSAT Board Elects Senior Officers for 2013-2014

Election of AMSAT's Senior Officers was one of the first orders of business at the AMSAT Board of Directors meeting on October 31 in Houston, Texas.

The following positions were voted upon and filled:

Barry Baines, WD4ASW	President
Drew Glasbrenner, KO4MA	Vice-President Operations
Gould Smith, WA4SXM	Vice President User Services
Tony Monteiro, AA2TX	Vice-President Engineering
Frank Bauer, KA3HDO	Vice-President Human Spaceflight
EMike McCardel, KC8YLD	Vice-President Educational Relations
Alan Biddle, WA4SCA	Secretary
Keith Baker, KB1SF/VA3KSF	Treasurer
Martha Saragovitz	Manager

The following Senior Officer positions remained open at this time
awaiting appointments:
Executive Vice President
Vice-President Marketing

[ANS thanks AMSAT-NA, for the above announcement]

New Transpoder Satellites on the Horizon Within the Next 12 Months

Here is the latest list of the transponders scheduled for launch in 2014.

FUNcube-1
AMSAT-UK and AMSAT-NL collaboration
1U cubesat
Imminent launch on Dnepr booster (21NOV2013)
600-700 km sun-sync orbit
Educational beacon, 1200 baud BPSK (daytime ops)
20 khz U/V transponder, 500 mW (nighttime ops)

Triton-1
ISIS-BV (Innovative Solutions In Space BV)
3U cubesat
Imminent launch on Dnepr booster (21NOV2013)
600-700 km sun-sync orbit
AIS (ship location service) radio science experiment
Two U/V FM to DSB (“AO-16 mode”) repeaters
     activated after 3 months (possibly both at once

Delfi-N3xt
Technical University of Delft
3U cubesat
Imminent launch on Dnepr booster (21NOV2013)
600-700 km sun-sync orbit
40 khz U/V transponder (after experiments completed)
High speed S-band downlink

CubeBug-2
Argentinian Ministry of Science, Technology and Productive Innovation, INVAP
S.E., Satellogic S.A., and Radio Club Bariloche
2U cubesat
Imminent launch on Dnepr booster (21NOV2013)
600-700 km sun-sync orbit
Technology demonstration mission
Digipeater and data downloads open after initial experiments

LituanicaSAT-1
Kaunas University of Technology 1U cubesat
Antares 120/Cygnus NET 11DEC2013
400 km ISS orbit
VGA camera, GPS, 9k6 AX25 beacon
V/U FM repeater, 150 mW

UKube-1 w/ FUNCube-2
UK Space Agency (amateur payload: AMSAT-UK)
3U cubesat
10FEB2014 launch on Soyuz-2
~600 km orbit
Educational beacon, 1200 baud BPSK
20 khz U/V transponder, 500 mW

KiwiSat
AMSAT-ZL
Microsat
Launch under negotiation (probably Dnepr)
30 khz LU/V transponder, 2W
LU/V FM repeater, 1W
VHF CW/9k6 data, UHF 9k6 data beacons

LAPAN ORARI
AMSAT-Indonesia
Microsat
Launch unclear, maybe PSLV with Astrosat in 2014
     (650km, low inclination)
U/V FM repeater 5W
145.825 digipeater

CAMSAT_BUAASat-1
CAMSAT
35kg Microsat
Launch late 2014 800km sun-sync
U/V FM repeater 500 mW
VHF AX25 beacon 500 mW

CAMSAT CAS-2A1 & 2A2
CAMSAT 25kg Microsats with cross-link capability
1000km, 99.5 degree sun-sync
CAS-2A1
VHF CW, Voice and AX25 beacons
50 kHz U/V transponder, 500mW
200kHz L/S transponder, 320mW
U/V digipeater
CAS-2A2
UHF CW and AX25 beacons
S CW beacon
10GHz CW beacon
V/U transponder, 500mW

QB50 precursors(not yet named)
SSB/CW, FM Voice
Launch 1st half 2014 (600km orbit)

[ANS thanks Drew Glasbrenner, KO4MA for the above announcement]

November Deployment for ISS CubeSats

Four CubeSats carrying amateur radio payloads are expected to be deployed from
the International Space Station (ISS) by the JEM Small Satellite Orbital Deployer (J-SSOD) on November 25, 2013.

The CubeSats are:
- Pico Dragon developed by the Viet Nam National Satellite Center (VNSC), University of Tokyo and IHI aerospace. 437.250 MHz CW beacon and 437.365 MHz 1200 bps AFSK AX.25 telemetry.
- ArduSat-1 developed by NanoSatisfi. 437.325 MHz 9k6 MSK CCSDS downlink.
- ArduSat-X developed by NanoSatisfi. 437.345 MHz 9k6 MSK CCSDS downlink .

• TechEdSat-3 developed by interns at the NASA Ames Research Center. 437.465 MHz 1200 bps packet radio beacon transmitting 1 watt to 1/4 wave monopole. It plans to test an Iridium Satphone modem and has a deployment mechanism to de-orbit in 10 days.

They are 1U in size (10x10x10 cm) except for TechEdSat-3 which is 3U (30x10x10 cm).

IEEE – DIY Space Programs http://spectrum.ieee.org/aerospace/satellites/diy-space-programs

[ANS thanks AMSAT-UK, for the above announcement]

CubeSats Need Coordination Too

Space News reminds readers to coordinate and register CubeSat frequencies.

The SpaceNews Editor writes:

In the midst of the cubesat revolution that is opening up a whole new world of space applications to people and organizations of ordinary means comes a reminder from the International Telecommunication Union (ITU), which is responsible for regulating and coordinating radiofrequency transmissions of all types: The existing rules requiring ITU member states to register their satellite systems do not discriminate based on size.

That means, in a nutshell, that cubesats and other nanosatellites, like their larger operational cousins, must be entered into the ITU-managed database of satellite frequencies and orbital slots. Speaking at the International Astronautical Congress in Beijing, officials with the United Nations-affiliated ITU noted that cubesats draw on finite spectrum – however marginally – and have the potential to interfere with one another and with other systems. These officials urged ITU members to register cubesats and other microsatellites at least two years before launch.

Not only are cubesats proliferating, their missions are becoming increasingly complex. Most cubesats today operate in a frequency band set aside for so-called amateur radio services, which can accommodate low-data-rate transmissions. But as applications become more bandwidth intensive, operators will increasingly be forced to seek out spectrum in other bands. Moreover, though cubesats today typically are allocated bandwidth on a secondary-user basis, meaning they have to work around primary users, there is no reason such missions could not be granted primary-user status.

For cubesats operating in the amateur bands, the FCC relies on the International Amateur Radio Union (IARU) for frequency coordination – typically the operator must submit a coordination letter from the group with its license application. But the flood of activity threatens to overwhelm the small,

volunteer organization: Of the cubesats slated to deploy through the remainder
of the year, 40 are being coordinated by the IARU.

Read the full Space News story at
http://www.spacenews.com/article/opinion/37890editorial-cubesats-need-coordination-too

AMSAT-UK hosts the IARU Amateur Satellite Frequency Coordination pages at
http://www.amsat.org.uk/iaru

Information on frequency coordination can be found at
http://www.iaru.org/satellite.html

ITU Radio Regulations http://www.itu.int/pub/R-REG-RR/en
Articles 9 and 11 cover coordination and notification. Resolution 757, is an
effort to simplify the administrative procedure for small, short life projects,
and Resolution 646 applies to some amateur-satellite service stations.

[ANS thanks the Spacenews.com and AMSAT-UK for the above information]

ARLS001 RS0ISS Active on SSTV from International Space Station

Dmitry Pashkov, UB4UAD, reports that the Amateur Radio slow-scan
television (SSTV) experiment onboard the International Space Station
has been active for the past couple of days on 145.800 MHz FM,
mainly while the ISS is above Moscow. UB4UAD says that on October
31, RS0ISS should have transmited SSTV images showing images from the life
and work of the first cosmonaut, Yuri Gagarin.

Stations can view the SSTV pictures from the ISS by making a simple
audio connection between the receiver output and the computer
soundcard input and using one of the free SSTV programs, such as
MMSSTV (for Windows systems) or the SSTV app (for Apple iOS
devices). Details are on the AMSAT-UK website at,

http://amsat-uk.org/2011/08/01/1490/

Failing a hard-wired connection, just holding a microphone connected
to the PC soundcard in front of the receiver's speaker should
provide sufficient audio to decode the SSTV signal. SSTV images from
the ISS typically are in Martin 1 format.

The ISS Fan Club website at

http://www.issfanclub.com/

indicates when the ISS is within range. The Energia page at

http://www.energia.ru/eng/iss/researches/education-26.html

has more information on the SSTV experiment, which is designated MAI-75.

[ANS thanks the ARRL and AMSAT-UK for the above information]

AMSAT VP Named to Top University Post

Mark Hammond, N8MH, AMSAT's Vice President of Educational Relations, has stepped down from the volunteer position after being named Vice President of Academic Affairs and Provost of Campbell University in Buis Creek, North Carolina. The AMSAT News Service reports that E. Michael McCardel, KC8YLD, has been appointed to complete Hammond's term in the AMSAT leadership.
Posted by CQ Newsroom

http://cqnewsroom.blogspot.com/2013/10/amsat-vp-named-to-top-university-post.html

[ANS thanks the CQ Newsroom, for the above information]

Another "Last Man Standing" Ham Episode

"Last Man Standing" producer John Amodeo, NN6JA, reports that lead character Mike Baxter (Tim Allen) finally gets on the ham bands during the program's Thanksgiving episode, which was shot in mid-October and scheduled to air on November 22 on ABC.

According to John, Mike heads to his basement ham shack to escape a house full of guests waiting for Thanksgiving dinner to be served.

This is the second "Last Man Standing" episode to include ham radio as a story element, and the first in which Allen's character is seen operating his ham station.

http://cqnewsroom.blogspot.com/2013/10/another-last-man-standing-ham-episode.html

[ANS thanks the CQ Newsroom, for the above information]

AMSAT Awards Update

Here is our latest induction into some of the AMSAT awards community. There is a pretty good batch since my last report.

The following have entered into the Satellite Communicators Club for making their first satellite QSO.

Jim Whitfield, K5JAW
Giancarlo Guenzi, IZ1JPS
Roberto Rachelli, IZ1WIX
Brad Smith, KC9UQR
Paul Stoetzer, N8HM

The following have earned the AMSAT Communications Achievement Award.

Charles Allen, KM5LY, #556
Brad Smith, KC9UQR, #557
David Johnson, KC9GHA, #558

Rolf Krogstad, NR0T, #559
Randy Morden, VE6RGU, #560
Paul Stoetzer, N8HM, #561

The following have earned the South Africa Satellite Communications Achievement Award.

Charles Allen, KM5LY, #US186
David Johnson, KC9GHA, #US187
Randy Morden, VE6RGU, #US188
Paul Stoetzer, N8HM, #US189

To see all the awards visit http://www.amsat.org or http://www.amsatnet.com/awards.html

[ANS thanks Bruce Paige, KK5DO, for the above information]

Three Space Station Crews Get Ready for Relocation, Launch, Landing

International Space Station crews commuting to and from their orbiting laboratory will be busy this November, and NASA Television will provide live coverage of their launches, landings and relocations.

Traffic starts to pick up Friday, Nov. 1. Expedition 37 Commander Fyodor Yurchikhin of the Russian Federal Space Agency (Roscosmos) and Flight Engineers Karen Nyberg of NASA and Luca Parmitano of the European Space Agency will climb into their Soyuz spacecraft, back out of one Russian Earth-facing docking spot and fly a short distance to another one at the end of the station. NASA TV coverage starts at 4 a.m. EDT. The 24-minute maneuver begins with undocking at 4:34 a.m.

The Soyuz move opens up the Rassvet docking port for another Soyuz transporting Expedition 38/39 Flight Engineer Rick Mastracchio of NASA, Soyuz Commander Mikhail Tyurin of Roscosmos and Flight Engineer Koichi Wakata of the Japan Aerospace Exploration Agency to the station. Aboard their spacecraft is the Olympic torch, which is taking an out-of-this-world route -- as part of the torch relay -- to Fisht Stadium in Sochi, Russia. There, the torch will be used to light the Olympic flame at the stadium, marking the start of the 2014 winter games.

The trio is scheduled to launch at 11:14 p.m. EST Wednesday, Nov. 6 (10:14 a.m. Kazakh time on Nov. 7) from the Baikonur Cosmodrome in Kazakhstan. NASA TV launch coverage begins at 10:15 p.m. Docking to Rassvet is scheduled at 5:31 a.m. on Nov. 7, with NASA TV coverage beginning at 4:45 a.m. Hatches are

scheduled to open at 7:40 a.m., with NASA TV coverage starting at 7:15 a.m.

Mastracchio, Tyurin and Wakata will join Yurchikhin, Nyberg and Parmitano, plus Oleg Kotov and Sergey Ryazanskiy of Roscosmos and Michael Hopkins of NASA.
Their arrival will be the first time since May 2009 that nine people have served together aboard the space station without the presence of a space shuttle.

On Sunday, Nov. 10, after Yurchikhin has transferred command of the station to
Kotov, the Soyuz carrying Yurchikhin, Nyberg and Parmitano will undock for a parachute-assisted landing on the steppe of Kazakhstan at 9:50 p.m. (8:50 a.m.
Kazakh time on Nov. 11), wrapping up a 166-day mission. Hatch closure coverage
begins at 2:30 p.m. Nov. 10 with a replay of the change of command ceremony. Undocking coverage begins at 6 p.m., and deorbit and landing coverage begins at
8:30 p.m.

Special video feeds of pre-launch activities by the crew will resume on Friday, Nov. 1, and continue through Wednesday, Nov. 6.

All the times of International Space Station programming, key Soyuz event coverage and other NASA Television programming can be found at:

http://www.nasa.gov/stationnews

For information about the International Space Station, research and its crews,
visit:

http://www.nasa.gov/station

[ANS thanks NASA, for the above information]

ARISS News

Upcoming ARISS Contact Schedule as of 2013-10-28 20:00 UTC

Quick list of scheduled contacts and events:

Wallingford STEM Academy/Town of Wallingford, Wallingford, CT, direct via K1SEZ
Contact is a go for: Thu 2013-10-31 15:45:11 UTC 46 deg

Kopernik Observatory & Science Center (KOSC), Vestal, NY, direct via K2ZRO
Contact is a go for: Wed 2013-10-30 16:32:51 UTC 41 deg

Warren County Technical School, Washington, NJ, direct via KC2WT
Contact is a go for: Mon 2013-11-04 14:08:48 UTC 50 deg (***)

Cradle of Aviation Museum, Garden City, NY, telebridge via IK1SLD
Contact is a go for: Mon 2013-11-04 14:24:39 UTC 44 deg

For all of you Ice Pilots TV show fans, the first episode of season 5 is

scheduled to have some of an ARISS contact that occurred a few months back. Depending on where you are located, the times and cable TV providers may change.
History Channel is airing the show for the first time Wednesday October 23 at 22:00 EDT or Thursday October 24 at 02:00 UTC.
Below are several on-line links to where you can watch it:

http://www.icepilots.com/episodes.php
http://www.icepilots.com/episode5_1.php

If you are in Australia, apparently the History Channel is available via Pay-TV.

Below is word from Canadian ARISS mentor Steve McFarlane VE3TBD about this:

Wednesday Oct 23, 2013 – Season Premiere of Reality TV Show Ice Pilots will feature the ARISS program – Amateur Radio on The International Space Station.
I/we do not know the full details of what will be included in this episode but we understand a Radio contact with Chris Hadfield will be shown that involves the Canadian mentors that undertake and support these events all across Canada.
This team, are made up of Teacher Lori McFarlane, technical coordination Claude Lacasse and program mentor Steve McFarlane VE3TBD all located in Ottawa but were on site during this contact from Hay river. Remotely located
but very much a part of this event include Teacher Mentor Brian Jackson VE6JBJ in Calgary and fellow Canadian mentor Wayne Harasimovitch VE1WPH located
in Halifax.

As mentioned, exact content of the show is not known but we do know a production team from Omni productions recorded the entire presentation and event at the Hay River Public School near Yellowknife. As well, Omni productions did receive the entire video from the ISS showing Chris Hadfield an
swering questions during the same event. Other video including setup, meeting the show “stars” etc., was recorded but again, we are not certain of
the inclusions on the show.

All audio during the event was made available and Omni productions have a copy of that – this includes the Telebridge track.

All we can hope is that ARISS is well represented and the program receives some well-deserved recognition. I was alerted that this is a reality TV show and almost anything can be broadcast. We are at the mercy of the producers and editors of the show – as they indicated to us – this is about Buffalo Airlines. My final comment to the producer, this show and the space program are linked in ways that are sometimes difficult to understand but it is
clear that early aviation pioneers from all over the world, which Buffalo epitomizes, led to what we know today as the Space Program – ARISS is about making our youth believe anything is possible so when they say this is about Buffalo Airlines what they are really saying, this is about how we started our journey to the stars.

History Channel is showing for the first time Wednesday October 23 at 22:00hrs. This is the 5th season of ice pilots and I understand some of you may
only be on season 4 at this point. Within a few days, it might be available elsewhere.

ARISS is requesting listener reports for the above contacts. Due to issues with the Kenwood radio that are not fully understood at present, the Ericsson radio is going to be used for these contacts. ARISS thanks everyone
in advance for their assistance. Feel free to send your reports to aj9n(a)amsat.org or aj9n(a)aol.com.

Looking for something new to do? How about receiving DATV from the ISS? If interested, then please review the document provided by Gaston Bertels ON4WF, the ARISS-Europe Chairman.

http://www.amsat.org/amsat/ariss/news/HamTV.pdf

The webpages listed below were all reviewed for accuracy. Out of date webpages were removed and new ones have been added. If there are additional
ARISS websites I need to know about, please let me know.

Note, all times are approximate. It is recommended that you do your own orbital prediction or start listening about 10 minutes before the listed time.
All dates and times listed follow International Standard ISO 8061 date and time format YYYY-MM-DD HH:MM:SS
The complete schedule page has been updated as of 2013-10-28 20:00 UTC.

Here you will find a listing of all scheduled school contacts, and questions, other ISS related websites, IRLP and Echolink websites, and instructions for any contact that may be streamed live.
http://www.amsat.org/amsat/ariss/news/arissnews.rtf

Total number of ARISS ISS to earth school events is 865.
Each school counts as 1 event.
Total number of ARISS ISS to earth school contacts is 844.
Each contact may have multiple schools sharing the same time slot.
Total number of ARISS supported terrestrial contacts is 46.

A complete year by year breakdown of the contacts may be found in the file.
http://www.amsat.org/amsat/ariss/news/arissnews.rtf

Please feel free to contact me if more detailed statistics are needed.

US Hams, don’t forget that there is a new process for US school proposals. For US schools to have an ARISS contact, they must fill out a proposal, submit it to NASA, and see if they are approved or not. Once a school is approved and put on the list, an ARISS mentor will be assigned to assist the
school.

NASA will have two open windows a year for schools to submit a proposal. The window for contacts during the second half of 2012 has already closed. Look for the window for first half 2013 contacts later this year. You must go through NASA to get the proposal material. Contact Teaching From Space, a NASA Education office, at JSC-TFS-ARISS(a)mail.nasa.gov or by calling
them at (281) 244-2320.

The following US states and entities have never had an ARISS contact: Arkansas, Delaware, Kansas, North Dakota, Rhode Island, South Dakota, Vermont,

West Virginia, Wyoming, American Samoa, Guam, Northern Marianas Islands,
and the Virgin Islands.

IN LIGHT OF SOME COMMENTS THAT HAVE APPEARED RECENTLY ON THE VARIOUS
BULLETIN
BOARDS; THE COMMENTS BELOW STILL HOLD TRUE:

QSL information may be found at:
http://www.arrl.org/ARISS/arissfaq.html
http://www.rac.ca/ariss/oindex.htm#QSL's

ISS callsigns: DPØISS, NA1SS, OR4ISS, RSØISS

The successful school list has been updated as of 2013-10-27 06:00 UTC.

http://www.amsat.org/amsat/ariss/news/Successful_ARISS_schools.rtf

Frequency chart for packet, voice, and crossband repeater modes showing
Doppler correction as of 2005-07-29 04:00 UTC

http://www.amsat.org/amsat/ariss/news/ISS_frequencies_and_Doppler_correction
.rtf

Listing of ARISS related magazine articles as of 2006-07-10 03:30 UTC.

http://www.amsat.org/amsat/ariss/news/ARISS_magazine_articles.rtf

Check out the Zoho reports of the ARISS contacts

ARISS School Contacts
https://reports.zoho.com/ZDBDataSheetView.cc?DBID=412218000000020415

Successful ARISS contacts
https://reports.zoho.com/ZDBDataSheetView.cc?OBJID=412218000000023448
Additional Zoho links may be found at
http://www.amsat.org/amsat/ariss/news/arissnews.rtf

Exp. 36/37 on orbit
Fyodor Yurchikhin RN3FI
Karen L. Nyberg
Luca Parmitano KF5KDP

Exp. 37/38 now on orbit
Oleg Kotov
Sergey Ryazansky
Michael S. Hopkins KF5LJG

[ANS thanks Charlie Sufana, AJ9N for the above information]

Satelite Shorts From All Over

Southeastern VHF Society WAEM Award

The Southeastern VHF Society has an award for working all of the EM grids

http://www.svhfs.org/awards.html

scroll down to the bottom for the satellite award, and get active on the birds.

(ANS thanks Damon, WA4HFN, em55 for the above information)

ESA Mars Express Video

Enjoy a virtual fly-over of Mars from the highest volcano to the deepest canyon on Mars in this great new compilation video from images taken by ESA's
Mars Express. The data shown in the video was gathered from the nearly 12,500
orbits by the Mars Express spacecraft since its arrival at the Red Planet in late 2003, and used to create digital topographic models of almost the entire
surface of the planet:

http://tinyurl.com/ESA-Mars-Flyover

[ANS thanks Universetoday.com for the above information]

UT1FG Found on AO-7 Mode B

Frank Griffin, K4FEG reports he made a contact with Yuri, UT1FG/MM via AO7 mode B on the 2117 UTC pass on October 29. Yuri was in grid FG40.

Frank wrote, "We had about a 60 second footprint into EM55aj to him in FG40hb, a distance of over 7500km. As the satellite rose over EM55aj84ta, I heard Yuri calling CQ at 145.9579Mhz, he called only once and I called back once and we made a successful contact, according to SatPC32 we had 1.2 degrees shared between us on the satellite".

Yuri is reported to be traveling North after two more stops in Chile. He has not had access to Wifi, so there has been very little email contact with him so far on this trip.

[ANS thanks Frank Griffin, K4FEG for the above information]

UT1FG/MM Sailing North From Chile

Yuri, UT1FG/MM is reported to be heading north which will increase opportunity
to make a contact with him. Frank, K4FEG and Rick, WA4NVM contacted Yuri when
he was sailing in Grid FG43 during a 2 minute pass on AO7 Mode B at 1034 UTC.
His next port will be Punta Patache, Chile in Grid FG49. UT1FG can be tracked
on the web at marinetraffic.com. Use either the ship name(SILVER), port name (Coquimbo) or the ship's call(5BNC3). When he is getting prepared to leave port
the ship's information will change to show his next destination.

[ANS thanks Frank, K4FEG for the above information]

Pirate Slow Scan TV 255.550MHZ

While dialing around in the millsat band I noticed what sounded like

slow scan tv on 255.550MHZ. It looks like the Brazilian satellite pirates
are experimenting with that mode. If anyone has decoding software it would
be interesting to see what they are sending.

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HearSat mailing list
Home: http://mailman.qth.net/mailman/listinfo/hearsat
Help: http://mailman.qth.net/mmfaq.htm
Post: mailto:HearSat(a)mailman.qth.net

This list hosted by: http://www.qsl.net
Please help support this email list: http://www.qsl.net/donate.html

[ANS thanks Dave Marthouse & E.Mike McCardel,KC8YLD for the above
announcement]

/EX

In addition to regular membership, AMSAT offers membership in the
President's Club. Members of the President's Club, as sustaining
donors to AMSAT Project Funds, will be eligible to receive addi-
tional benefits. Application forms are available from the AMSAT
Office.

Primary and secondary school students are eligible for membership
at one-half the standard yearly rate. Post-secondary school students
enrolled in at least half time status shall be eligible for the stu-
dent rate for a maximum of 6 post-secondary years in this status.
Contact Martha at the AMSAT Office for additional student membership
information.

73,
This week's ANS Editor,
Joe Spier, K6WAO
k6wao at amsat dot org